

Bulk Milk Cooler with Ice Backup

This system has an in-built cooling backup which provides faster cooling than any traditional milk cooler. The grid electricity is stored in Thermal storage system (TSS), thereby, eliminating diesel generator with 10 hours of grid power availability any time of the day.

It provides up to 2 times faster cooling than traditional milk coolers to achieve 10 °C, resulting in better milk quality and increase in income. Ice based cooling ensures that milk never freezes even when milk is below agitator level.

The system design is based on ISO 5708 manufacturing standards. The entire system is automatic and doesn't require user intervention.

Off-grid integration of solar photovoltaics panels is also an option.



Features

UNINTERRUPTED COOLING

2 - 3 days of cooling backup capacity to completely eliminate diesel generator

WORLD'S ONLY THERMAL STORAGE BASED SOLAR BMC

Optional solar integration with direct drive compressor without electrical batteries

3 °C MILK TEMPERATURE

Reduces bacteria count & improves milk quality

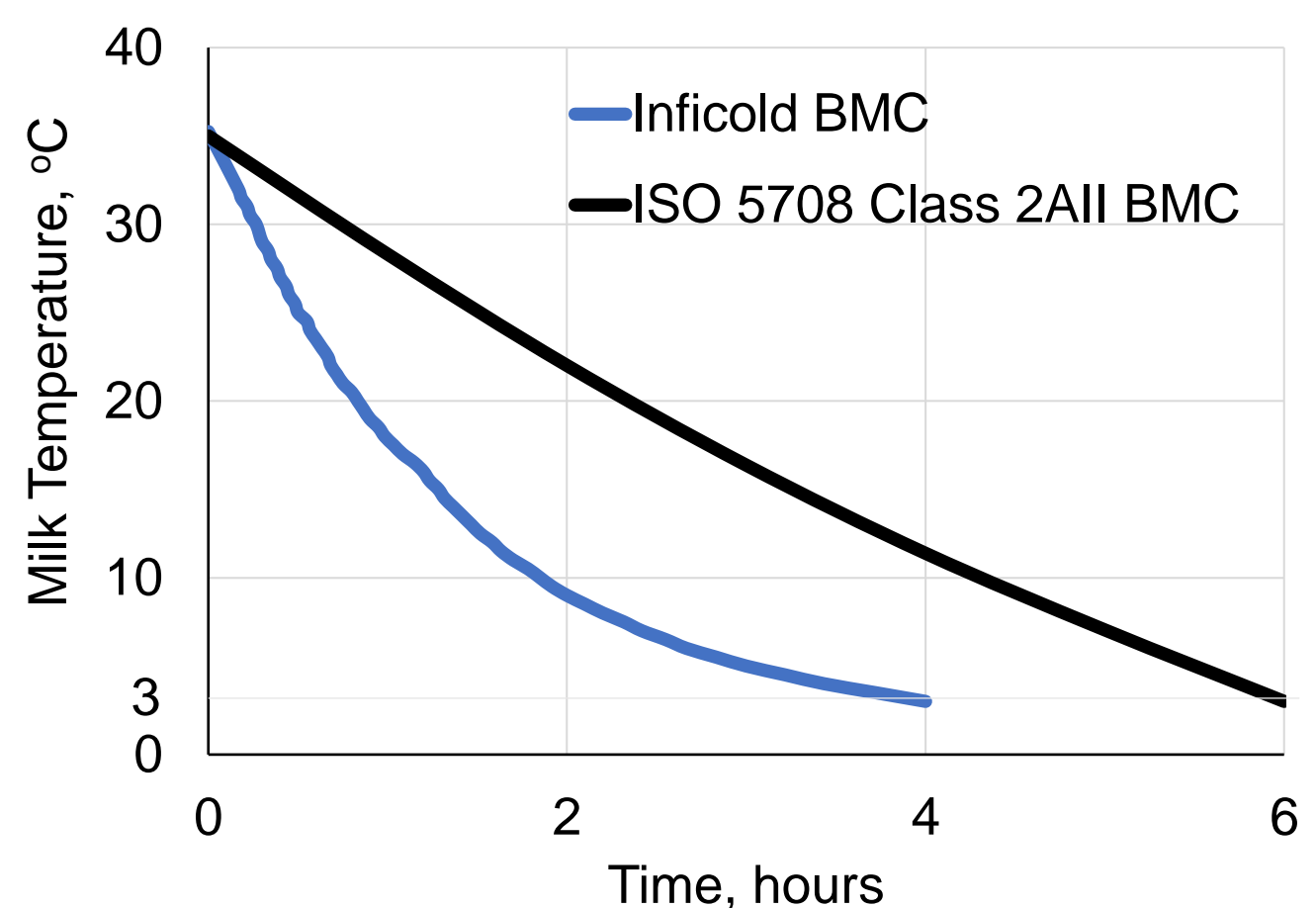
NO MILK FREEZING

No chances of milk freezing even with lower milk capacities

Specifications

Description	500 L	1000 L
Gross capacity of milk tank	550 L	1100 L
Rated daily cooling capacity	500 L	1000 L
Manufacturing standard	ISO 5708 Class 2All	
Cooling backup capacity	1500 L	1500 L / 3000 L
Thermal storage outer body	AISI SS 304	
Power requirements	3 kVA	5 kVA
Refrigerant	R404a	
Off grid solar integration	Available	

Cooling Performance



Notes:

1. Data shown in the brochure is based on cooling of 1000 L milk from 35 °C to 3 °C in 1000 L BMC with thermal storage fully charged and no grid electricity available

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